



I-69 Design-Build (DB) Project in Calhoun and Eaton Counties

Michigan Department of Transportation
Marshall and Lansing TSCs

December 16, 2019

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SAFE WINTER DRIVING TIPS:

- Remove snow and ice from all vehicle windows, mirrors, lights, turn signals, and license plates
- Turn on headlights to see and be seen
- Turn off cruise control
- Do not slam on brakes. Apply steady pressure on ABS-equipped vehicles and pump the brakes, if necessary, on non-ABS vehicles
- Keep additional distance from other vehicles
- Use extra caution on bridges, ramps, overpasses and shaded areas - they may freeze first
- Be aware of black ice
- Remember – four-wheel drive vehicles cannot necessarily turn or stop any better than two-wheel drive vehicles

CARRY WITH YOU:

- Tow strap
- Snow shovel
- Flares
- Jumper cables
- Bag of sand or cat litter for wheel traction

SNOWPLOW SAFETY:

- Use caution when following, passing or approaching snow removal equipment
- Don't crowd the plow
- Don't travel beside a snowplow. They can shift sideways after hitting snowpacks or drifts
- Do not brake with unnecessary sudden movements when in front of a snowplow - plows cannot stop as quickly as an automobile
- Remember that a snowplow operator's field of vision is restricted. You may see them, but they may not see you

I-69 from 3,800 feet south of I-94 to Island Highway near Charlotte.

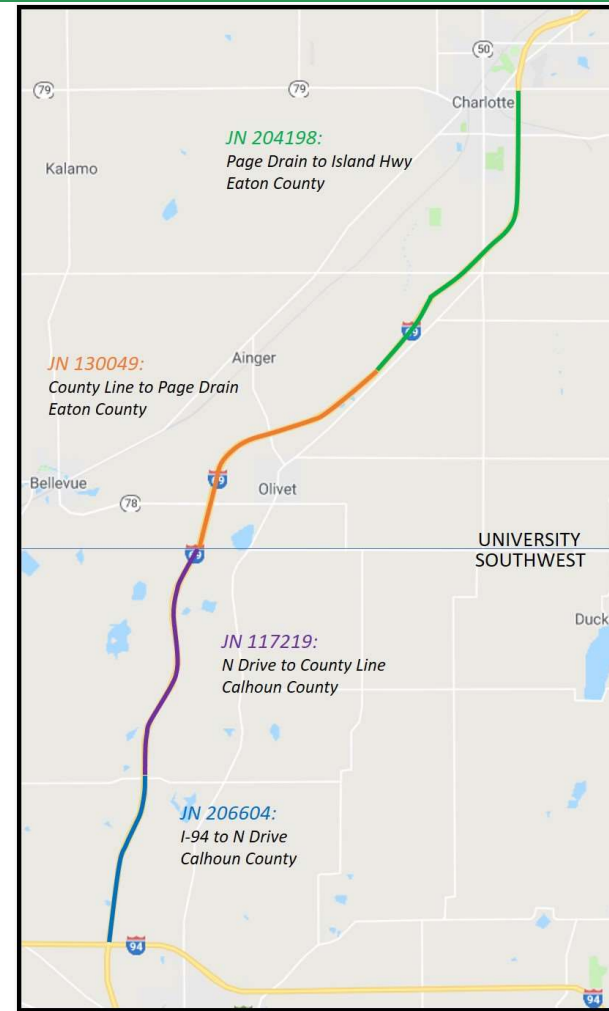
The project traverses through Calhoun and Eaton counties and includes MDOT's Southwest and University regions.

JN 206604: I-94 to N Drive

JN 117219: N Drive to County Line

JN 130049: County Line to Page Drain

JN 204198: Page Drain to Island Highway





22 miles of freeway reconstruction



Reconstruction at five interchanges



Rehabilitation work on 27 bridges



Maintaining traffic is a primary concern





Existing rural, four-lane freeway section



Removal of existing unbonded concrete overlay



Drainage improvements; culvert replacements; potential drain impacts (permitting)



Minor work – guardrail, full-depth concrete patching, tree clearing, geometric improvements, pavement markings, signing



Maintain traffic using one lane in each direction on I-69

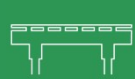


Capital Preventive Maintenance (CPM)

- 19 bridges
- Epoxy overlay, patching, zone painting, approaches, expansion joint device, scour protection

Rehabilitation

- 7 bridges
- Deep concrete overlay, patching, expansion joint device, structural steel repairs, bearing repairs, approaches, pin and hanger, beam cutting, rocker bearing realignment





Maintain one lane in each direction at all times on I-69



Maintain two lanes in each direction during peak hours on I-94



Many of the I-94/I-69 ramps will be detoured for maximum of 28 days



Detours and part-width construction for bridge work



Pressure relief joints and patching will be required prior to major construction on I-69



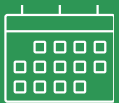
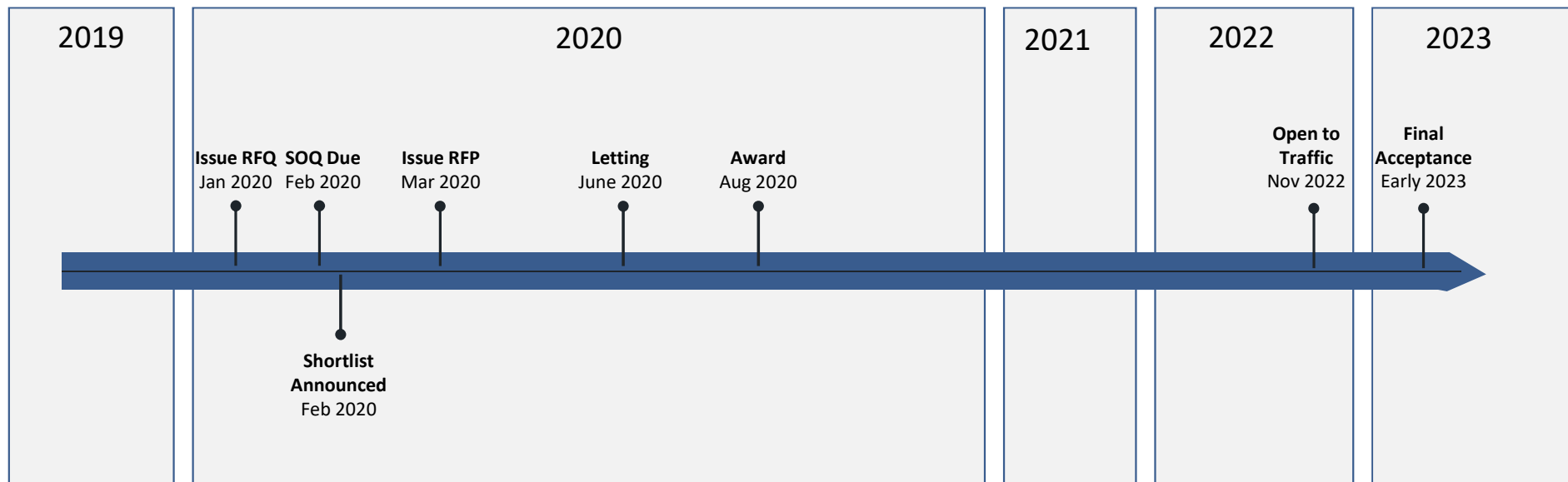
Environmental Clearance: Anticipated in February 2020. Project includes threatened and endangered botanical species, eastern massasauga rattlesnake habitat, tree clearing restrictions, stream work restriction dates.

Permits: MDOT expects to obtain all permits by May 2020. This includes permits from USFWS, state (EGLE and MDNR), and local (drain commissions).

Drainage: Retention ponds sized to mitigate for increase to impervious surface areas. Drainage boundaries and curve runoff numbers will be included in the project documents.



Project Schedule



Project Coordination

Bridge Project Coordination

- Potential for coordination needed with another project

Road Project Coordination

- Coordination with Calhoun County Road Department and Eaton County Road Commission will be necessary

Utility Coordination

- Design-build team required to develop utility conflict matrix



Pre-Quals/DBE Goal



Anticipated Construction Pre-qualifications:

200000-250000 Ea
or
200000-250000 B
or
200000-250000 Cb

**Subclassification
Required:**
Fa



Design Services Pre-qualifications:

Design – Roadway:
Intermediate

Design – Bridges: Complex

Design – Hydraulics II

Design – Traffic: Capacity
and Geometric Analysis

Design – Traffic: Work
Zone Maintenance of
Traffic

Design – Traffic: Work
Zone Mobility and Safety



Disadvantage Business Enterprise (DBE) Goal:

5%



Key Staff:

Project Manager
Project Supervisor
Construction Quality Control
Manager
Design Manager
Design Lead Roadway Engineer
Design Lead Structures
Engineer
Design Lead Traffic Engineer
Environmental Compliance
Manager
Civil Rights Manager



I-69 Reconstruction Design-Build

Industry Forum Questions

December 16, 2019

8:30 AM to 9:30 AM

MDOT Aeronautics Building, Lansing, MI

1. Will the presentation given by MDOT be available on MDOT's website?

Answer: Yes, the presentation will be posted on MDOT's Innovative Contracting website under the [I-69 Reconstruction – Southwest and University Regions \(DB\)](#) link.

2. Is the Civil Rights Manager a new position or has it been used on previous design-build projects?

Answer: Yes, the Civil Rights Manager is a new position for large projects based on discussions with the FHWA.

3. What are the start and finish dates for the project?

Answer: As shown in the presentation, the project will be awarded in August 2020 with an open to traffic date in November 2022.

4. Please describe the RFP process for this project?

Answer: This will be a two-step process with the Request for Qualifications posted in January 2020 and the Request for Proposals provided to the shortlisted bidders in March 2020. The selection will be based on low bid.

5. How many teams will MDOT shortlist?

Answer: MDOT anticipates shortlisting between three and five teams.

6. Will there be more design prequalifications than what is shown in the presentation?

Answer: Yes, MDOT anticipates more design prequalification categories and will provide them in the RFQ.

7. Will there be a lane rental component or an incentive clause for the project?

Answer: MDOT is currently evaluating and will provide additional information as part of the RFQ.

8. Will there be a stipend and if so, how much?

Answer: Yes, there will be a stipend for this project and it will be \$244,000.

9. In the presentation, you stated there is a double layer of concrete pavement which will all be removed. Is it double thickness for all 46 lane miles of the project?

Answer: Yes, the pavement is double thickness through the entire limits of the project and will all be removed.

10. You currently show the bridge design prequalification as Design – Bridges: Complex. What bridge work makes it complex?

Answer: MDOT is currently evaluating that category.

11. How will pavement patching be handled in the RFP? Will it be lump sum or shared risk?

Answer: MDOT is currently evaluating options and will provide that information as part of the RFP.

12. Will MDOT provide the pavement design?

Answer: MDOT is currently evaluating the pavement design and it will be provided to industry for review in the next few weeks. It is anticipated to be an Alternative Pavement Bid project.

13. Is there a bridge replacement as part of this project?

Answer: MDOT is currently evaluating options at one location.

14. Are all key staff shown in the presentation expected to be on the project full time?

Answer: The requirements will be shown in the RFQ but not all are anticipated to be assigned to the project full time.

I-69 DESIGN BUILD INDUSTRY MEETING

December 16, 2019

Name:

- | | |
|--|---|
| 1. <u>Corey Hackworth - MDOT</u> | 22. <u>Ken Brandt - Capitol Barricading</u> |
| 2. <u>James Banger - MDOT</u> | 23. <u>Mark Price Grand River</u> |
| 3. <u>RYAN MITCHELL - MDOT</u> | 24. <u>JW Katin Katin Const. Co. Inc.</u> |
| 4. <u>Dharmesh Valsadia - MDOT</u> | 25. <u>Colleen Hill-Stramsak - HRC</u> |
| 5. <u>Mike Phelps 2 contractors</u> | 26. <u>Mike Wilhelm P.H. Contracting</u> |
| 6. <u>Mike McLaren - Kiewit</u> | 27. <u>JOHN STEVENSON WSP</u> |
| 7. <u>Susan Tebbe - Mannick Smith</u> | 28. <u>Brian Smith RS Engg.</u> |
| 8. <u>BRATHIN BENHANIBA TSG</u> | 29. <u>Jeff Steiner Toebe Const. LLC</u> |
| 9. <u>ERIC BARDEN - SPICER GROUP</u> | 30. <u>AI Halberstam OHM Advisors</u> |
| 10. <u>WAYNE ZOLVIERREK - SPICER GROUP</u> | 31. <u>Steve Drummond - Somat Eng.</u> |
| 11. <u>Gabe Nowicki M&M Excavating</u> | 32. <u>DAVE TURNER - C.A. HULL</u> |
| 12. <u>JOHN LANDRIE MCM EXCAVATING</u> | 33. <u>JAY DESAI - C.A. HULL</u> |
| 13. <u>CRAIG SCHUPSEMA OHM Advisors</u> | 34. <u>Al Ka Hentholler - CLZAF</u> |
| 14. <u>JIM WOODS OHM-Advisors</u> | 35. <u>Rob Leppala - Bergmann</u> |
| 15. <u>Madison Kitchen - DBE ^{F&M concrete}</u> | 36. <u>PAUL GZVCK - MICHAEL BAKER</u> |
| 16. <u>Fred O'Keefe - F&M concrete ^{DBE}</u> | 37. <u>Jeremy Curtis - Michael Baker</u> |
| 17. <u>Brad Bice - Mannick & Smith</u> | 38. <u>Scott Miller - Davis Construction, Inc</u> |
| 18. <u>Darrell Heuker - Benesch</u> | 39. <u>MARCO QUAGLIATA - BERGMANN</u> |
| 19. <u>KAMRAN GABER - FISCHBECK</u> | 40. <u>JEFF LITZ - SUPERIOR CONSTRUCTION</u> |
| 20. <u>MANOJ SETHI - DLZ</u> | 41. <u>Jeremy Woods - BERGMANN</u> |
| 21. <u>Nick Sundberg - MDOT</u> | 42. <u>KIRK PIETILA - TERRA TECH</u> |

I-69 DESIGN BUILD INDUSTRY MEETING

December 16, 2019

Name:

- | | |
|---|---|
| 1. <u>Tyler Hill - Spicer Group</u> | 22. <u>Mark Johnston / AJAY PAVING</u> |
| 2. <u>Zach Theisen - Spicer Group</u> | 23. <u>Chris Poe / Ajax Paving Inc</u> |
| 3. <u>Vicor French - HNTB</u> | 24. <u>Tim Brinks / Kammiga + Lechweits Inc</u> |
| 4. <u>Mike Meyer - MDOT LTSC</u> | 25. <u>Brian Davies - Hubbell Restone Clark</u> |
| 5. <u>Philip Poe - NTH Consts</u> | 26. <u>Ralph Welch - Fishbeck</u> |
| 6. <u>Nazeem Oudeh, IBI GROUP</u> | 27. <u>Dan Larson - Rieth-Riley</u> |
| 7. <u>Jon Ward - Rowe</u> | 28. <u>CHERYL GREGORY - ROWE PSC</u> |
| 8. <u>TONY THELEN - SSI</u> | 29. <u>CHAD RAJALA - BENESCH</u> |
| 9. <u>IAN DUNCAN - WSP</u> | 30. <u>Jason Early - LTSC</u> |
| 10. <u>JOHN QUALEY - SOMAT</u> | 31. _____ |
| 11. <u>Lisa Martinatook - WSP</u> | 32. _____ |
| 12. <u>ARON HENGELBACH LLC</u> | 33. _____ |
| 13. <u>ARUP CERIC - Interleukin PSI</u> | 34. _____ |
| 14. <u>Heather Hedges - Hedges Diversified Mgmt</u> | 35. _____ |
| 15. <u>Blake Zapczynski - 2 Contractors</u> | 36. _____ |
| 16. <u>Ryan O'Donnell - ANLAAN</u> | 37. _____ |
| 17. <u>Tom Perlinski - Dignation</u> | 38. _____ |
| 18. <u>Kon Wells - Parsons</u> | 39. _____ |
| 19. <u>Jesse Pero - Hoffman Bros</u> | 40. _____ |
| 20. <u>Robert Checkley Michigan Parks</u> | 41. _____ |
| 21. <u>RICK THOMPSON MICH PARKS</u> | 42. _____ |